

FOR 30" OR LARGER PIPE

2' Minimum

MIN. OF 1/2" MORTAR PLASTER

3" SCH. 40 STEEL PIPE

NON-SHRINK GROUT IN ANNULAR SPACE

(ALL RESTRAINED JOINTS)

(DOUBLE POLYWRAPPED)

(1 / 8" /ft min.)

ON OUTSIDE SURFACE

MORTAR JOINT OR

APPROVED SEALANT

CEMENT MORTAR -

24" DIA.

STD. HEAVY TRAFFIC TYPE MANHOLE FRAME AND COVER CENTERED

5'-0" DIA.

MANHOLE

) 8" DIA.

STEPS

ON BIKEPATH OR SIDEWALK

3" 180° ELBOW

PROPERTY LINE -

3" D.I. VENT PIPE -

VIEW 'A'

STANDARD PRECAST

R.C. MANHOLE TOP

- 3" 90° ELBOW

3 / 4" BALL VALVE DRAIN

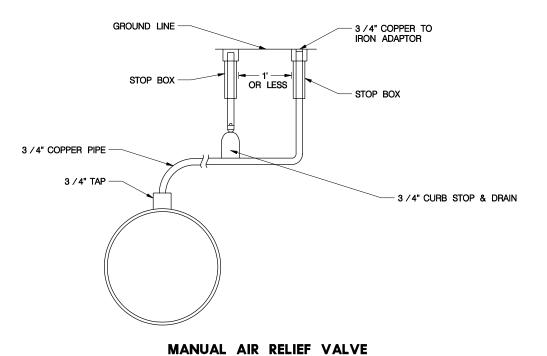
8" BRICK WALL

CONCRETE SUPPORT

3" APCO COMBINATION AIR RELEASE VALVE MODEL "147C" OR EQUAL

WITH CAP & CHAIN

1 1/2" HOSE VALVE & NIPPLE



FOR 24" OR LARGER

3" VENT PIPE-

VIEW 'A'

INSTALL 1/4"

VALVE BOX AND COVER

3" GATE VALVE, EXT. STEM,

VALVE BOX AND COVER

- 3" FLANGED 90° BEND

MATERIAL

INSULATED FLANGE

- PROVIDE PIPE OUTLET AS REQUIRED PER PIPE

3" THREAD BOSS

MESH SCREEN

LOCATED IN FIELD NEAR FENCE OR POLE

NEAR PROPERTY LINE

NOTES:

SHUTOFF VALVES SHALL BE CARBON STEEL CONBRACO "APOLLO 88-100 SERIES", NELES-JAMESBURY "SERIES 5000, FIG 5150-11-2200TT", OR POWELL "FIG A224T" BALL VALVES.

DRAIN VALVES SHALL BE BRASS OR BRONZE CONBRACO "APOLLO 70-100 SERIES" OR STOCKHAM "S-216".

CHECK VALVES SHALL BE APCO "SERIES 9000 CLASS 150 DOUBLE DOOR CHECK VALVE" OR EQUAL.

COMBINATION AIR RELEASE VALVES SHALL BE APCO MODEL "147C" OR EQUAL FOR 3" VALVES AND APCO MODEL "149C" OR EQUAL FOR 4" VALVES.

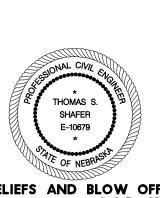
THE CAST IRON MANHOLE RING SHALL SET IN A BED OF MORTAR, AND CAREFULLY ADJUSTED TO PROPOSED GRADE.

MANHOLE RING AND COVER SHALL BE CITY OF LINCOLN HEAVY TRAFFIC TYPE. (SEE LSP 162)

MANHOLE STEPS SHALL BE CITY OF LINCOLN STANDARD MANHOLE STEPS. (SEE LSP 162)

ALL REINFORCING STEEL SHALL BE EPOXY COATED.

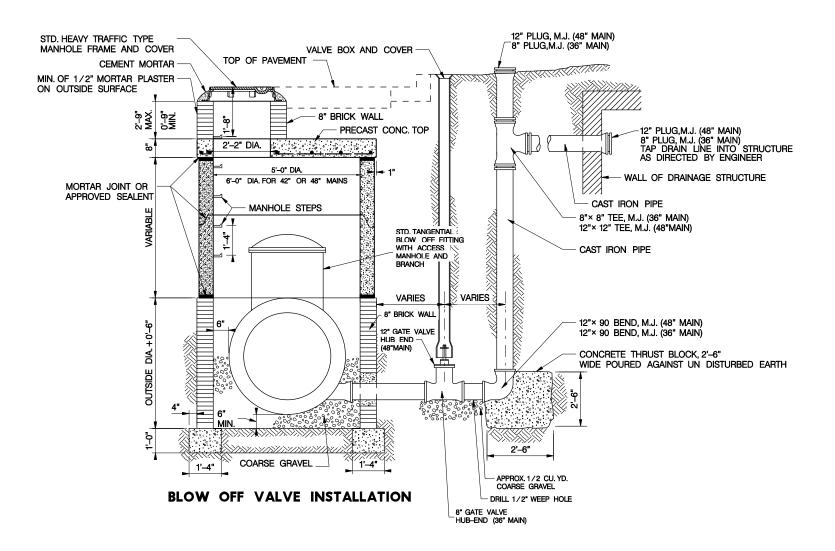
ANY TAP LARGER THAN 1" SHALL BE INSTALLED BY FACTORY.

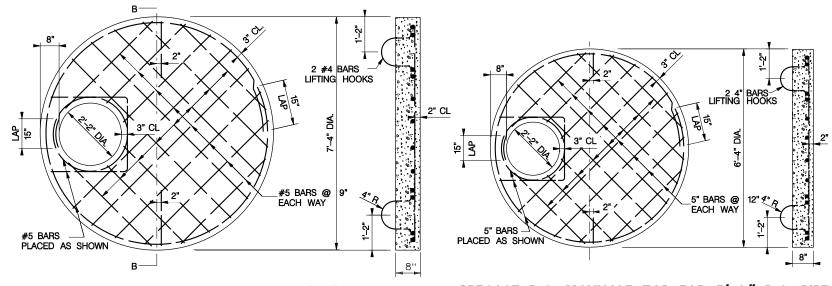




WATER MAIN VALVE MANHOLES, AIR RELIEFS AND BLOW OFFS L.S.P. 310

0	CITY PROJECT NO.	SHEET NO.
Sept Look	LSP	2
The second second	Date: 03-2005	Drawn: CAW / WLB
CITY OF LINCOLN	Scale NONE	Checked:
NEBRASKA		Approved:





PRECAST R.C. MANHOLE TOP FOR 6'-0" R.C. PIPE

PRECAST R.C. MANHOLE TOP FOR 5'-0" R.C. PIPE

